As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below Lext to my name;

I believe I am the original, first and **sole** inventor (if only one name is listed **below**) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SELF ALIGNED MAGNETORESISTIVE FLUX GUIDE READ HEAD WITH EXCHANGE

BIAS UNDERNEATH FREE LAYER	
the specification of which (check one)	
X is attached hereto.	•
was filed on	
as Application Serial No.	f applicable).
and was amended on(1	.I applicable/:
I hereby state that I have reviewed and understand the specification, including the claims, as amended by an	ne contents of the above identified my amendment referred to above.
I acknowledge the duty to disclose information which defined in Title 37, Code of Federal Regulations, Sec	is material to patentability as ction 1.56.
I hereby claim foreign priority benefits under Title 119(a)-(d) or section 365(b) of any foreign application certificate, or Section 365(a) of any PCT Internation least one country other than the United States, listed below any foreign application for patent or inventor application having a filing date before that of the acclaimed:	nal application which designated at ed below and have also identified so certificate or PCT International application on which priority is
Prior Foreign Application(s)	Priority Claimed
-	Yes No
None (Number) (Country) (Day/Mo	onth/Year Filed)
I hereby claim the benefit under Title 35, United States application(s) or Section 365(c) of any PCT In the United States, listed below and, insofar as the sof this application is not disclosed in the prior Unitapplication in the manner provided by the first paragraph Section 112, I acknowledge the duty to disclose informational filing date of the prior application:	subject matter of each of the claims ited States or PCT International graph of Title 35, United States Code, rmation which is material to Regulations, Section 1.56, which
None	Ghatan / material mending abandoned
(Application Serial No.) (Filing Date)	Status) (patented, pending, abandoned
I hereby declare that all statements made herein of statements made on information and belief are believed	my own knowledge are true and that alled to be true; and further that these

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

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United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Paik Saber (#37,494)

Randall J. Bluestone (#40,518)

Ron Feece (#46,327)

William D. Gill (#44,124)

Esther E. Klein (#33,409)

Rob rt B. Martin (#26,945)

Douglas R. Millett (#31,784)

Lewis L. Nunnelley (#42,942)

Abdy Raissinia (#38,686)

Christopher A. Hughes (#26,914)

Edward A. Pennington (#32,588)

John E. Hoel (#26,279)

Joseph C. Redmond, Jr. (#18,753)

Walter W. Duft (#31,948)

Send correspondence to:

Walter W. Duft 295 Main Street, Suite 762 Buffalo, New York 14203-2507

Direct Telephone Calls to: Walter W. Duft at 716-856-8000 (voice) and 716-856-8046 (fax)

Full name of sole or first joint-inventor: Kuok San Ho

Inventor's signature:

Date: 07/17/2001

Residence: 5618 Stevens Creek, Apt. 239, Cupertino, CA 95014

Citizenship: China

Post Office Address: Same

Full name of second joint-inventor: Tao Pan

Inventor's signature:

Date:

Residence: 736 Dalewood Ct., San Jose, CA 95120

Citizenship: U.S.

Post Office Address: Same

DOCKET: SJ0920000166US

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My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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SELF ALIGNED MAGNETORESISTIVE FLUX GUIDE READ HEAD WIT BIAS UNDERNEATH FREE LAYER	In Excinates
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I hereby claim foreign priority benefits under Title 35, United States 119(a)-(d) or section 365(b) of any foreign application(s) for patent certificate, or Section 365(a) of any PCT International application where the country other than the United States, listed below and have below any foreign application for patent or inventor's certificate or application having a filing date before that of the application on whe claimed: Prior Foreign Application(s)	hich designated at also identified PCT International
	Yes No
None (Country) (Day/Month/Year Filed)	
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(Application Serial No.) (Filing Date) (Status) (patented	d, pending, abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

DOCKET: SJ0920000166US DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

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Direct Telephone Calls to: Walter W. Duft at 716-856-8000 (voice) and 716-856-8046 (fax)

Full name of sole or first joint-inventor: Kuok San Ho

Inventor's signature:

Date: 07/17/2001

Residence: 5618 Stevens Creek, Apt. 239, Cupertino, CA 95014

Citizenship: China

Post Office Address: Same

Full name of second joint-inventor: Tao Pan

Inventor's signature:

Date: 7/23/200/

Residence: 736 Dalewood Ct., San Jose, CA 95120

Citizenship: U.S.

Post Office Address: Same



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OCTOBER 22, 2001

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WALTER W. DUFT 295 MAIN STREET, SUITE 762 BUFFALO, NEW YORK 14203

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RECORDATION DATE: 08/02/2001

REEL/FRAME: 012080/0571

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HO, KUOK SAN

DOC DATE: 07/17/2001

ASSIGNOR:

PAN, TAO

DOC DATE: 07/23/2001

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES

CORPORATION

NEW ORCHARD ROAD

ARMONK, NEW YORK 10504

SERIAL NUMBER: 09922446

PATENT NUMBER:

FILING DATE: 08/02/2001

ISSUE DATE:

TONYA LEE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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08-22-2001

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OND IN COOK CONT.	01819989	
	ts and Trademarks: Please record the attached original	
Name of conveying party(ies): Kuok San Ho and	2. Name and address of receiving party(ies):	
Tao Pan Additional name(s) of conveying party(ies) attached? Yes _xNo	Corporation Internal Address:	
3. Nature of conveyance:	Street Address: New Orchard Road	
<u>x</u> Assignment Merger Security Agreement Change of Na	City: <u>Armonk</u> State: <u>NY</u> Zip: <u>10504</u>	
Other	Additional name(s) & address(es) attached? Yes _x No	
Execution Date: <u>July 17, 2001 and July 23,</u> 4. Application number(s) or patent number	2001	
	a new application, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
Additional nu	imbers attached? Yes _x_ No	
5. Name and address of party to whom correspondence concerning document shown ailed:		
Name: <u>Walter W. Duft</u>	7. Total fee (37 C.F.R. 3.41)\$ 40.00 Enclosed	
Internal Address: <u>Same as below</u>	x Authorized to be charged to deposit account	
Street Address: 295 Main Street, Suite	00 0466	
City: <u>Buffalo</u> State: <u>New York</u> Zip: <u>142</u>		
	NOT USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, attached copy is a true copy	the foregoing information is true and correct and any	
of the original document. Walter W. Duft	August 2, 2001	
Name of Person Signing Value VV. But Signature Signature Date Total number of pages including cover sheet, attachments, and document: 3		
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Dc et: SJ092000166US

INVENTOR

	Whereas,	W
INVENTOR		
AND CITY	(1) Kuok	S
	County of	E

DATE

an Ho County of Santa Clara and (2) Tao Pan County of Santa Clara

of Cupertino, and State of Califonia, of San Jose, and State of California,

	have invented certain improvements in	
SELF ALIGNEI LAYER	D MAGNETORESISTIVE FLUX GUIDE READ HEAD WITH EXCHANGE BIAS UNDERNEA	ATH FREE
	and executed, respectively, a United States patent application the	erefor on
INVENTORS SIGNED THE	(1) <u>07/17</u> , 2001, and (2)	, 2001,
	Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation, having a place of business at Armonk, New York 10504, (I called IBM), desires to acquire the entire right, title and interestal application and invention, and to any United States and foresto be obtained therefor;	est in the
	Now therefore, for a valuable consideration, receipt whereof acknowledged, we, the above named, hereby sell, assign, and transits successors and assigns, the entire right, title and interest application and invention therein disclosed for the United States countries, and all rights of priority resulting from the filing of States application, and we request the Commissioner of Patents to Letters Patent granted upon the inventions set forth in said application, its successors and assigns; and we hereby agree that IBM may foreign Letters Patent on said invention and we will execute all precessary in connection with the United States and foreign applicated upon to do so by IBM.	ter to IBM, in the said and foreign f said United issue any ication to apply for papers
Signe	d and sealed	
CITY	(1) at San Jose, CA	SIGNATURE INVENTOR
DATE	on <u>97/17/2001</u> , 2001,	
CITY	and (2) at San Jose, CA	SIGNATURE

Doc at: Sú092000166US

Whereas, we

INVENTOR

AND CITY

(1) Kuok San Ho County of Santa Clara and (2) Tao Pan County of Santa Clara of Cupertino, and State of Califonia, of San Jose, and State of California,

have invented certain improvements in

SELF ALIGNED MAGNETORESISTIVE FLUX GUIDE READ HEAD WITH EXCHANGE BIAS UNDERNEATH FREE LAYER

and executed, respectively, a United States patent application therefor on DATES THAT INVENTORS , 2001, and (2) ____ SIGNED THE

> Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signe	d and sealed	So	
CITY	(1) at <u>San Jose, CA</u>	10.	SIGNATURE INVENTOR
DATE	on <u>37/17/2001</u> , 2001,		

and (2) at San Jose, CA CITY

SIGNATURE

DATE